

Interview Summary	Application No. 10/616,061	Applicant(s) MACKAY ET AL.	
	Examiner Hoang Dang	Art Unit 3672	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Hoang Dang (3) Chance Hardie
 (2) Jason Huang (4) Simon Harrall

Date of Interview: 2/7/06

Type: a) ☐ Telephonic b) ☐ Video Conference
 c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
 If Yes, brief description: _____

Claim(s) discussed: 1, 14, 21 and 71 (proposed amendment)

Identification of prior art discussed: Russian '633, Russian '357

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: _____


(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Applicant was told that proposed claim 1 defines over the art of record
claims 14, 21 and 71 do not define over either or both Russian '633 & '357

However, claim 71 would define over the art of record if amended
to state that the second portion of the second tubing is adjacent to the
first portion.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


 Examiner's signature, if required

PROPOSED CLAIMS FAXED TO THE EXAMINER

02/05/2006 15:35 FAX 7136234846

PATTERSON&SHERIDAN

003/015

FOR INTERVIEW PURPOSES ONLY

PATENT

Atty. Dkt. No. MRKS/0092

NOTE TO SCANNER: Please scan these 9 pages as
IN THE CLAIMS: an attachment (a part of) the Interview
Summary form PTO-L-413
Thanks

Please amend the claims as follows:

1. (Currently Amended) A method of lining a drilled bore, the method comprising the steps:
 - (a) running a first tubing length of a first diameter into the bore;
 - (b) running a second tubing length into the bore and through the first tubing length after the first tubing length is in the bore, such that the second tubing length overlaps with a lower end of the first tubing length;
 - (c) expanding at least a first portion of the second tubing length where the tubing lengths overlap, to a second diameter smaller than the first diameter; and
 - (d) expanding at least a further second portion of [[the]] a remainder of the second tubing length to a third diameter larger than the second diameter, wherein the second portion is longer than the first portion and extends beyond the first tubing length.
2. (Canceled)
3. (Original) The method of claim 1, wherein step (c) brings the second tubing length into contact with the first tubing length at at least a portion of the overlap between the tubing lengths.
4. (Original) The method of claim 1, wherein following step (c) a fluid passage remains between the tubing lengths at the overlap.

5. (Original) The method of claim 1, further comprising expanding said first tubing length.
6. (Original) The method of claim 1, further comprising expanding said first tubing length to a variety of diameters.
7. (Original) The method of claim 1, further comprising expanding a portion of the second tubing length to a fourth diameter.
8. (Currently Amended) The method of claim [[1]] Z, further comprising expanding a portion of the second tubing length to a fifth diameter.
9. (Original) The method of claim 1, further comprising expanding a portion of the second tubing length such that the diameter of the tubing length varies.
10. (Original) The method of claim 1, further comprising cementing the first tubing length in the bore.
11. (Original) The method of claim 1, further comprising cementing the first tubing length in the bore before expanding the second tubing length.
12. (Original) The method of claim 1, further comprising cementing the second

tubing length in the bore.

13. (Original) The method of claim 1, further comprising cementing the second tubing length in the bore after step (c).

14. (Original) A method of lining a drilled bore, the method comprising the steps:

(a) running a first tubing length of a first diameter into the bore;

(b) expanding said first tubing length to a larger second diameter;

(c) running a second tubing length into the bore, such that an upper end of the second tubing length overlaps with a lower end of the first tubing length;

(d) expanding the upper end of the second tubing to a third diameter larger than said first diameter but smaller than said second diameter; and

(e) expanding at least a further portion of the remainder of the second tubing length to said second diameter.

15. (Original) The method of claim 14, further comprising cementing the first tubing length.

16. (Original) The method of claim 15, further comprising allowing the cement to set before expanding the second tubing length.

17. (Original) The method of claim 14, further comprising cementing the second tubing length in the bore.

18. (Original) The method of claim 14, further comprising cementing the second tubing length in the bore after step (d).

19. (Original) The method of claim 14, wherein expanding the upper end of the second tubing length to said third diameter creates at least one of a hanging support and a seal between the upper end of the second tubing length and the lower end of the first tubing length.

20. (Original) The method of claim 14, wherein following step (d) a fluid passage remains between the tubing lengths at the overlap.

21. (Currently Amended) A method of lining a drilled bore, the method comprising the steps:

(a) running a first tubing length of a first diameter into the bore;

(b) running a second tubing length ~~having a first diameter~~ into the bore, such that an upper end of the second tubing length overlaps with ~~the~~ a lower end of the first tubing length;

(c) expanding ~~a portion~~ the upper end of the second tubing length to a third diameter larger than the first diameter but smaller than a second diameter; and

(d) expanding at least another portion of the second tubing length to the second diameter; and

(e) expanding at least a portion of the first tubing length to the second diameter

larger than the first diameter.

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Original) The method of claim 21, wherein step (d) brings the second tubing length into contact with the first tubing length at at least a portion of the overlap between the tubing lengths.

26. (Original) The method of claim 21, wherein following step (d) a fluid passage remains between the tubing lengths at the overlap.

27. (Canceled)

28. (Original) The method of claim 21, further comprising expanding said first tubing length to a variety of diameters.

29. (Original) The method of claims 21, further comprising expanding a portion of the second tubing length to a fourth diameter.

30. (Original) The method of claim 21, further comprising expanding a portion of the second tubing length to a variety of diameters.

31. (Original) The method of claim 21, further comprising cementing the first tubing length.

32. (Original) The method of claim 31, comprising allowing the cement to set before expanding the second tubing length.

33. (Original) The method of claim 21, further comprising cementing the second tubing length in the bore.

34. (Original) The method of claim 21, further comprising cementing the second tubing length in the bore after step (d).

35. (Original) The method of claim 21, comprising expanding the upper end of the second tubing length to a third diameter to create at least one of a hanging support and a seal between the upper end of the second tubing length and the lower end of the first tubing length.

36-53. (Canceled)

54. (Currently Amended) The method of claim 1, wherein the tubing lengths

comprise[[s]] solid-walled tubing.

55. (Currently Amended) The method of claim 1, wherein the tubing lengths comprise[[s]] slotted tubing.

56. (Currently Amended) The method of claim 1, wherein the tubing lengths comprise[[s]] expandable sand screen.

57. (Currently Amended) The method of claim 1, further comprising utilising an expansion tool in the form of an expansion cone and wherein at least part of the expansion is achieved by means of moving the expansion cone through the tubing lengths.

58. (Original) The method of claim 1, further comprising utilising an expansion tool in the form of a rotary expander and wherein at least part of the expansion is achieved by means of rotary expansion.

59. (Canceled)

60. (Original) The method of claim 1, further comprising utilising a variable diameter expansion tool.

61. (Currently Amended) The method of claim 1, further comprising expanding at

least one section of the tubing lengths to a non-uniform diameter using a compliant expansion tool.

62. (Original) The method of claim 1, further comprising utilising a retractable expander.

63-68. (Canceled)

69. (New) The method of claim 21, further comprising:
running a third tubing length into the bore such that the second and third tubing lengths overlap;
expanding a first segment of the third tubing length where the second and third tubing lengths overlap to a fourth diameter; and
expanding a second segment of the third tubing length to a fifth diameter larger than the fourth diameter.

70. (New) The method of claim 1, further comprising:
running a third tubing length into the bore such that the second and third tubing lengths overlap;
expanding a first segment of the third tubing length where the second and third tubing lengths overlap to a fourth diameter; and
expanding a second segment of the third tubing length to a fifth diameter larger than the fourth diameter.

71. (New) A method of lining a drilled bore, comprising:
- running a first tubing of a first diameter into the bore;
 - thereafter, running a second tubing into the bore and through the first tubing, such that the second tubing overlaps with a lower end of the first tubing;
 - expanding at least a first portion of the second tubing where the first and second tubing overlap, to a second diameter, wherein expanding the first portion places the second tubing in contact with the first tubing; and
 - expanding at least a second portion of a remainder of the second tubing to a third diameter larger than the second diameter, wherein the second portion is longer than the first portion and extends beyond the first tubing.